

WHAT IS CLAIMED IS:

- 1 1. A door arrangement for a switchgear enclosure, the
2 enclosure having a top and bottom panel, a back panel and two opposing
3 side panels and including an interior framework supporting a draw-out
4 circuit breaker, the door arrangement comprising:
5 a front extension coupled to the enclosure;
6 an exterior door pivotally mounted to the front extension at
7 an offset exterior door frame post and configured to move from one of a
8 closed position and an open position on one side of the enclosure; and
9 a breaker door pivotally mounted to the interior framework
10 and configured to move from one of a closed position and an open
11 position on another side of the enclosure and clear of the offset exterior
12 door frame post.
- 1 2. The door arrangement of claim 1, wherein the exterior door
2 and breaker door open to more than ninety degrees from the respective
3 closed positions.
- 1 3. The door arrangement of claim 1, wherein the front
2 extension allows the exterior door to be closed with the circuit breaker in
3 a disconnected position.
- 1 4. The door arrangement of claim 1, wherein the front
2 extension allows the breaker door to open clear of the exterior door.
- 1 5. The door arrangement of claim 1, wherein the exterior door
2 opens to more than ninety degrees from the closed position to allow one
3 of the installation and removal of the circuit breaker.

1 6. The door arrangement of claim 1, wherein the front
2 extension is integrally formed with the enclosure.

1 7. A switchgear enclosure for a draw-out circuit breaker, the
2 enclosure comprising:
3 structure having a top panel coupled to a bottom panel with
4 a back panel coupled to two opposing side panels defining an interior
5 space;
6 a framework mounted in the interior space of the structure
7 and configured to support a circuit breaker;
8 a front extension coupled to the structure;
9 an exterior door pivotally mounted to the front extension at
10 an offset exterior door frame post and configured to move from one of a
11 closed position and an open position on one side of the structure; and
12 a breaker door pivotally mounted to the interior frame work
13 and configured to move from one of a closed position and an open
14 position on another side of the structure and move clear of the offset
15 exterior door frame post.

1 8. The switchgear enclosure of claim 7, wherein the exterior
2 door and breaker door open to more than ninety degrees from the
3 respective closed positions.

1 9. The switchgear enclosure of claim 7, wherein the front
2 extension allows the exterior door to be closed with the circuit breaker in
3 a disconnected position.

1 10. The switchgear enclosure of claim 7, wherein the front
2 extension allows the breaker door to open clear of the exterior door.

1 11. The switchgear enclosure of claim 7, wherein the exterior
2 door opens to more than ninety degrees from the closed position to allow
3 one of the installation and removal of the circuit breaker.

1 12. The switchgear enclosure of claim 7, wherein the front
2 extension is integrally formed with the structure.

1 13. A method of housing a circuit breaker, the method
2 comprising the steps of:
3 providing an enclosure defining an interior space;
4 providing a framework configured to support the circuit
5 breaker;
6 mounting the framework in the interior space;
7 providing a front extension;
8 coupling the front extension to the enclosure;
9 providing an exterior door configured to move from one of a
10 closed position and an open position;
11 providing an offset exterior door frame post;
12 mounting the exterior door on the offset exterior door frame
13 post at one side of the enclosure;
14 providing a breaker door configured to move from one of a
15 closed position and an open position;
16 mounting the breaker door on another side of the enclosure;
17 mounting the circuit breaker on the framework.

1 14. The method of housing a circuit breaker of claim 13, wherein
2 the exterior door and breaker door open to more than ninety degrees from
3 the respective closed positions.

1 15. The method of housing a circuit breaker of claim 13, wherein
2 the front extension allows the exterior door to be closed with the circuit
3 breaker in a disconnected position.

1 16. The method of housing a circuit breaker of claim 13, wherein
2 the front extension and offset exterior door frame post allows the breaker
3 door to open clear of the exterior door.

1 17. The method of housing a circuit breaker of claim 13, wherein
2 the exterior door opens to more than ninety degrees from the closed
3 position to allow one of the installation and removal of the circuit breaker.

1 18. The method of housing a circuit breaker of claim 13, wherein
2 the front extension is integrally formed with the structure.

1 19. The method of housing a circuit breaker of claim 13,
2 including the steps of moving the circuit breaker to a disconnected
3 position and closing the exterior door while the breaker is in the
4 disconnected position.